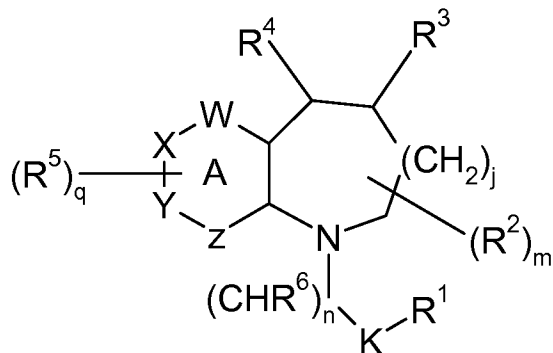


**Amendments to the Claims**

1. (Currently Amended) A compound of formula I



wherein

n is 0, 1, 2, or 3;

m is 0, 1, 2, 3, 4, 5 or 6;

j is 1 or 2;

q is 0, 1, or 2;

W, X, Y and Z are each independently CH, C, N, S, or O with appropriate single or double bonds and/or hydrogen atoms to complete valency requirements;

Ring A is a five or six member ring wherein one of W, X, Y or Z may be absent; provided that ring A is not phenyl;

K is a bond, C=O, or S(O)<sub>p</sub>;

p is 0, 1 or 2;

R<sup>1</sup> is selected from a group consisting of hydroxy, hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl; C<sub>1</sub>-C<sub>6</sub> alkylaryl, aryl, heterocyclyl, C<sub>2</sub>-C<sub>6</sub> alkylalcohol, -OC<sub>1</sub>-C<sub>6</sub> alkyl, -O-aryl, -OC<sub>2</sub>-C<sub>6</sub> alkenyl, -OC<sub>1</sub>-C<sub>6</sub> haloalkyl, -OC<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, -OC<sub>3</sub>-C<sub>8</sub> cycloalkyl, -OC<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, -NR<sup>7</sup>R<sup>8</sup>, -OC<sub>1</sub>-C<sub>6</sub> alkylaryl, -O-heterocyclic, -OC<sub>1</sub>-C<sub>6</sub>alkylCO<sub>2</sub>R<sup>11</sup>, -OC<sub>2</sub>-C<sub>6</sub>alkylalcohol, -OC<sub>1</sub>-C<sub>6</sub>alkylNR<sup>7</sup>R<sup>8</sup>, -OC<sub>2</sub>-C<sub>6</sub>alkylcyano, CONR<sup>11</sup>R<sup>12</sup>, NR<sup>11</sup>SO<sub>2</sub>R<sup>12</sup>, NR<sup>11</sup>COR<sup>12</sup>, C<sub>0</sub>-C<sub>3</sub> alkylNR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>3</sub> alkylCOR<sup>11</sup>, C<sub>0</sub>-C<sub>6</sub> alkylCOOR<sup>11</sup>and; provided that R<sup>1</sup> is not hydroxy when K is S(O)<sub>p</sub>, CO, and/or when n and K are both zero; and wherein each cycloalkyl, aryl or heterocyclic group is optionally substituted with 1 to 3 groups independently selected from oxo, hydroxy, halo, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, -OC<sub>2</sub>-C<sub>6</sub>alkylalcohol, C<sub>1</sub>-C<sub>6</sub> haloalkoxy,

CONR<sup>11</sup>R<sup>12</sup>, NR<sup>11</sup>SO<sub>2</sub>R<sup>12</sup>, NR<sup>11</sup>COR<sup>12</sup>, C<sub>0</sub>-C<sub>3</sub> alkylNR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>3</sub> alkylCOR<sup>11</sup>, C<sub>0</sub>-C<sub>6</sub> alkylCOOR<sup>11</sup>, C<sub>0</sub>-C<sub>6</sub> alkylcyano, -OC<sub>2</sub>-C<sub>6</sub>alkylcyano, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, phenyl, -OC<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, -OC<sub>1</sub>-C<sub>6</sub> alkylaryl, -OC<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, and C<sub>1</sub>-C<sub>6</sub> alkylaryl;

R<sup>2</sup> is independently selected from the group consisting of hydrogen, halo, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OC<sub>1</sub>-C<sub>6</sub> haloalkyl, OC<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, aryl, C<sub>0</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup>, heteroaryl, heterocyclyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl and C<sub>1</sub>-C<sub>6</sub> alkylheterocyclyl; wherein each cycloalkyl, aryl, or heterocyclic is optionally substituted with 1 to 3 groups independently selected from oxo, hydroxy, halo, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alcohol, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, CONR<sup>11</sup>R<sup>12</sup>, NR<sup>11</sup>SO<sub>2</sub>R<sup>12</sup>, NR<sup>11</sup>COR<sup>12</sup>, C<sub>0</sub>-C<sub>3</sub> alkylNR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>3</sub> alkylCOR<sup>11</sup>, C<sub>0</sub>-C<sub>6</sub> alkylCOOR<sup>11</sup>, cyano, and phenyl, and wherein two R<sup>2</sup> groups may combine to form a 3,4 or 5 member spirocycle, or a five or six member optionally substituted fused carbocyclic or heterocyclic ring;

R<sup>3</sup> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, aryl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, or C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl;

R<sup>4</sup> is a group represented by the formula -NR<sup>9</sup>R<sup>10</sup>;

R<sup>5</sup> is selected from the group consisting of hydrogen, halogen, hydroxy, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, -OC<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, aryl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, heteroaryl, -O-aryl, -OC<sub>2</sub>-C<sub>6</sub> alkenyl, -OC<sub>1</sub>-C<sub>6</sub> haloalkyl, -NR<sup>7</sup>R<sup>8</sup>, and -OC<sub>1</sub>-C<sub>6</sub> alkylaryl; and wherein when q is 1, 2 or 3, two adjacent R<sup>5</sup> groups may combine to form a fused 5 or 6 member optionally substituted carbocyclic or heterocyclic ring;

R<sup>6</sup> is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, hydroxy, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, -OC<sub>1</sub>-C<sub>6</sub> alkyl, -O-aryl, -OC<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, -OC<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup>, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, and C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl;

R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, heterocyclic, aryl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, hydroxy, oxo, COOH, C(O)OC<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, C<sub>1</sub>-C<sub>6</sub> alkylamine, C<sub>2</sub>-C<sub>6</sub> alkenylaryl, C<sub>2</sub>-C<sub>6</sub> alkynylaryl, C<sub>1</sub>-C<sub>6</sub> alkyl-O-C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>11</sup>-C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkylcyano, C<sub>1</sub>-C<sub>6</sub> alkylCONR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub>alkylNR<sup>11</sup>COR<sup>12</sup> wherein each alkyl, cycloalkyl, heterocyclic, or aryl group is optionally substituted with 1-3 groups

independently selected from hydroxy, oxo, amino, halogen, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, C<sub>1</sub>-C<sub>6</sub> haloalkyl, COOH, C(O)OC<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, and C<sub>1</sub>-C<sub>6</sub> alkylamine and NR<sup>11</sup>R<sup>12</sup>; or R<sup>7</sup> and R<sup>8</sup> combine to form a nitrogen containing heterocyclic ring which may have 0, 1, or 2 additional hetero-atoms selected from oxygen, nitrogen or sulfur and may be optionally substituted with oxo, or C<sub>1</sub>-C<sub>6</sub> alkyl;

R<sup>9</sup> is the group C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, aryl, heterocyclic, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, COR<sup>7</sup>, CO<sub>2</sub>R<sup>7</sup>, C<sub>0</sub>-C<sub>3</sub> alkylCONR<sup>7</sup>R<sup>8</sup>, C<sub>0</sub>-C<sub>3</sub> alkylS(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, or C<sub>0</sub>-C<sub>3</sub> alkylS(O)<sub>p</sub>R<sup>7</sup> wherein R<sup>7</sup> is as defined above, and wherein each alkyl, cycloalkyl, aryl, and heterocyclic is optionally substituted with one to two groups independently selected from halo, hydroxy, oxo, COOH, C(O)OC<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, C<sub>1</sub>-C<sub>6</sub> alkylamine, C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>2</sub>-C<sub>6</sub> alkenylaryl, C<sub>2</sub>-C<sub>6</sub> alkynylaryl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, -NR<sup>7</sup>R<sup>8</sup>, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl-O-C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>2</sup>-C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>1</sub>-C<sub>6</sub> alkylcyano, C<sub>1</sub>-C<sub>6</sub> alkylCONR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub> alkylCO<sub>2</sub>R<sup>11</sup>, C<sub>1</sub>-C<sub>6</sub>alkylNR<sup>11</sup>COR<sup>12</sup>, and aryl, wherein each cycloalkyl or aryl group is optionally substituted with halo, hydroxy, oxo, amino, COOH, C(O)OC<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, and C<sub>1</sub>-C<sub>6</sub> alkylamine;

R<sup>10</sup> is selected from the group consisting of aryl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, C<sub>2</sub>-C<sub>6</sub> alkenylaryl, C<sub>2</sub>-C<sub>6</sub> alkynylaryl, C<sub>1</sub>-C<sub>6</sub> haloalkylaryl, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, C<sub>2</sub>-C<sub>6</sub> alkenylheterocyclic, C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl-O-C<sub>1</sub>-C<sub>6</sub> alkylaryl, and wherein each cycloalkyl, aryl, or heterocyclic group is optionally substituted with 1-3 groups independently selected from the group consisting of hydroxy, oxo, -SC<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, halogen, C<sub>1</sub>-C<sub>6</sub> alkoxy, aryloxy, C<sub>1</sub>-C<sub>6</sub> alkenyloxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxyalkyl, C<sub>0</sub>-C<sub>6</sub> alkylNR<sup>11</sup>R<sup>12</sup>, -OC<sub>1</sub>-C<sub>6</sub> alkylaryl, nitro, cyano, -OC<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> haloalkylalcohol, and C<sub>1</sub>-C<sub>6</sub> alkylalcohol;

R<sup>11</sup> and R<sup>12</sup> are independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, heterocyclic, aryl, and C<sub>1</sub>-C<sub>6</sub> alkylaryl, wherein each aryl group is optionally substituted with 1-3 groups independently selected from halogen, C<sub>1</sub>-C<sub>6</sub> alkylheterocyclic, and C<sub>1</sub>-C<sub>6</sub> haloalkyl, or R<sup>11</sup> and R<sup>12</sup> combine to form a nitrogen containing heterocyclic ring which may have 0, 1, or 2 additional heteroatoms selected from oxygen, nitrogen or sulfur and is optionally substituted with oxo, or C<sub>1</sub>-C<sub>6</sub> alkyl; or a

pharmaceutically acceptable salt, ~~soluate~~, enantiomer, racemate, diastereomer or mixture of diastereomers thereof.

2. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein n is 0, and K is C=O, wherein R<sup>1</sup> is selected from a group consisting of hydroxy, hydrogen, -C<sub>1</sub>-C<sub>6</sub> alkyl, -C<sub>0</sub>-C<sub>6</sub> alkylcycloalkyl, -C<sub>0</sub>-C<sub>6</sub> alkylheterocyclic, -C<sub>1</sub>-C<sub>6</sub> haloalkyl -OC<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylaryl, -OC<sub>1</sub>-C<sub>6</sub> alkyl, -OC<sub>3</sub>-C<sub>8</sub> cycloalkyl -OC<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, -OC<sub>1</sub>-C<sub>6</sub> alkylcycloalkylNR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub> alkoxy, -OC<sub>0</sub>-C<sub>6</sub> alkylaryl, -OC<sub>1</sub>-C<sub>6</sub> haloalkyl, OC<sub>1</sub>-C<sub>6</sub>alkylcyano, OC<sub>1</sub>-C<sub>6</sub>alkylCO<sub>2</sub>R<sup>11</sup>, -OC<sub>1</sub>-C<sub>6</sub>alkylhydroxy, -OC<sub>3</sub>-C<sub>8</sub> cycloalkylCO<sub>2</sub>R<sup>11</sup>, -OC<sub>1</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup> and -OC<sub>1</sub>-C<sub>6</sub> alkylheterocyclic and wherein each ~~alkyl~~-cycloalkyl, aryl, or heterocyclic is optionally substituted with 1 or 2 groups selected from halogen, C<sub>0</sub>-C<sub>3</sub> alkylalcohol, C<sub>0</sub>-C<sub>3</sub> alkylamine, C<sub>0</sub>-C<sub>3</sub> alkylCOOH, ~~C<sub>0</sub>-C<sub>3</sub>alkylCONH<sub>2</sub>~~, C<sub>0</sub>-C<sub>3</sub>alkylcyano, and C(O)OC<sub>1</sub>-C<sub>3</sub> alkyl.

3. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein R<sup>4</sup> is NR<sup>9</sup>R<sup>10</sup> and R<sup>9</sup> is a heterocyclic group optionally substituted with one or two groups independently selected from hydroxy, halo, amino, C(O)OC<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> alkylalcohol, C<sub>1</sub>-C<sub>6</sub> ~~alkylamine~~ alkylamine, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkylCONR<sup>7</sup>R<sup>8</sup>, C<sub>1</sub>-C<sub>6</sub> alkylcyano, C<sub>1</sub>-C<sub>6</sub> alkylCO<sub>2</sub>R<sup>11</sup>, C<sub>1</sub>-C<sub>6</sub> alkylNR<sup>7</sup>R<sup>8</sup> and C<sub>1</sub>-C<sub>6</sub> alkylcycloalkyl, .

4. (Currently Amended) A compound of claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein j is 2.

5. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein n, m, and q are independently 0, or 1.

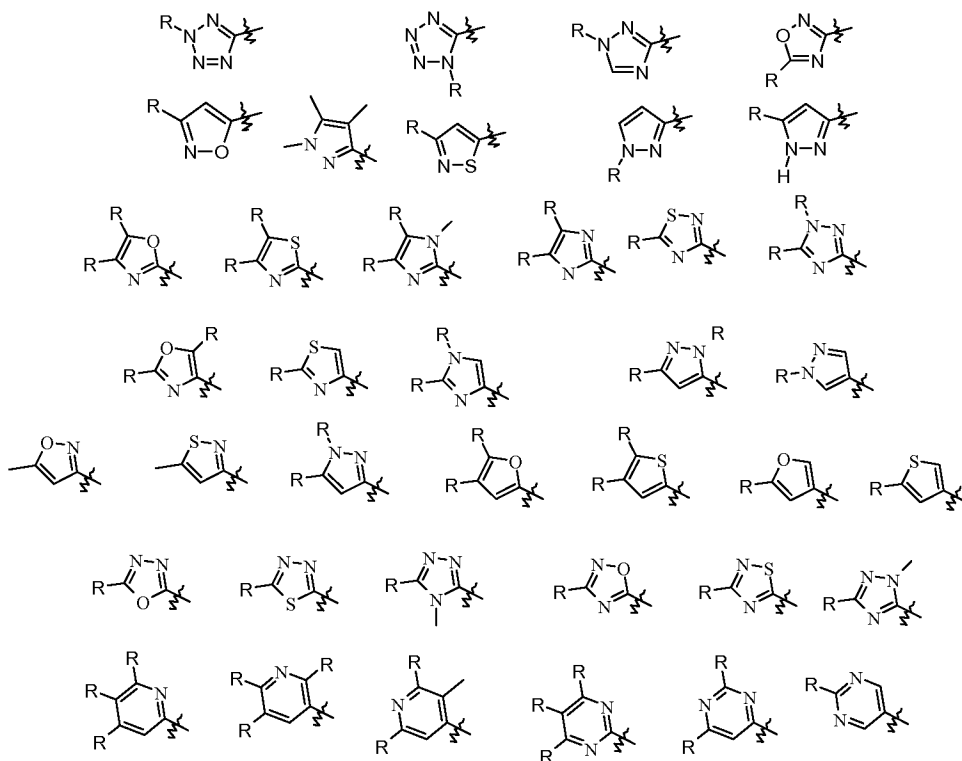
6. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof,

wherein the A ring is selected from the group consisting of pyridine, pyrazine, thiophene, pyrazole isoxazole, oxazole, and thiazole.

7. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein the A ring is pyridine.

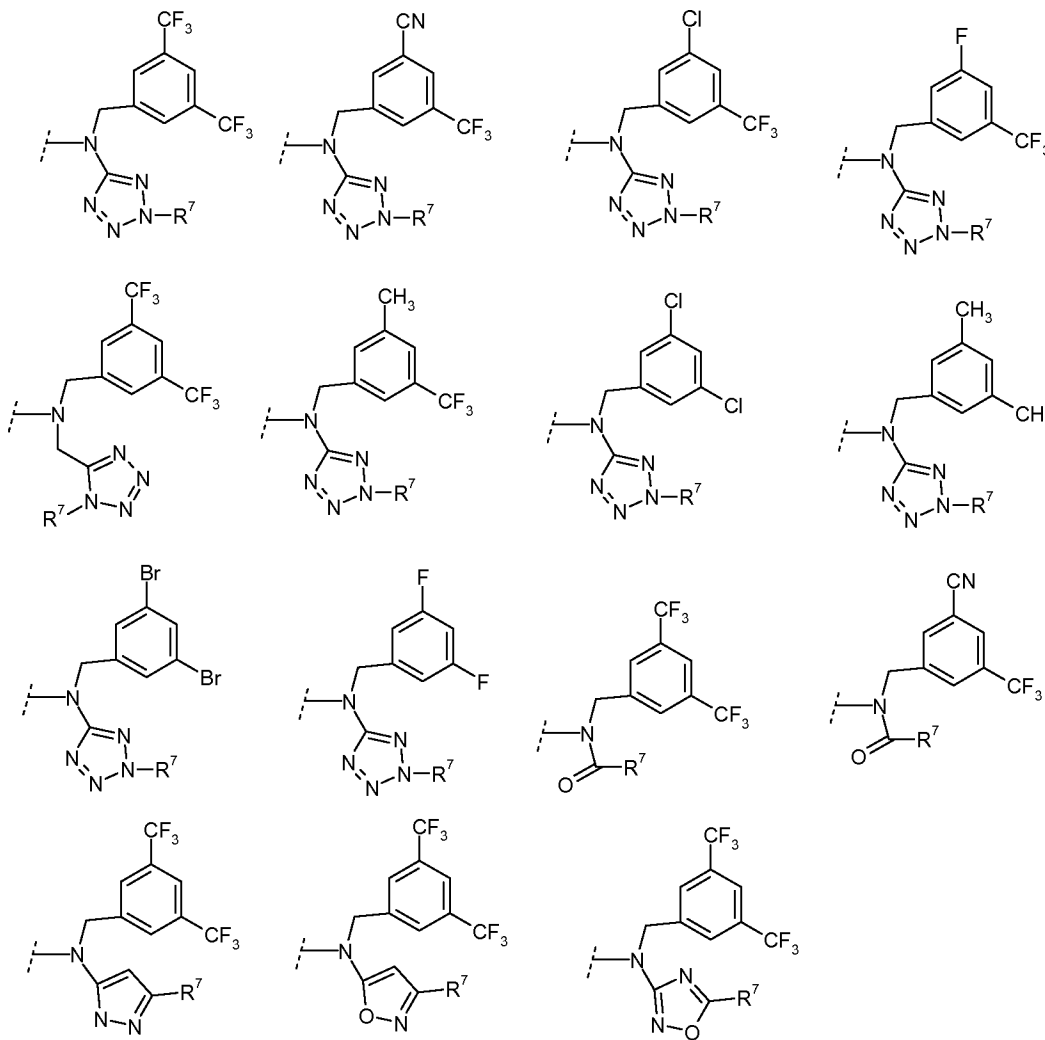
8. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein the A ring is thiophene.

9. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein each  $R^3$  is hydrogen and  $R^4$  is  $NR^9R^{10}$  and  $R^9$  is selected from the group consisting of:



wherein R is independently H, OH,  $NR^7R^8$  or  $C_1$ - $C_3$  alkyl wherein the  $C_1$ - $C_3$  alkyl group is optionally substituted with OH, halo, cyano,  $CONR^7R^8$ ,  $CO_2R^{11}$ , or  $NR^7R^8$ .

10. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein  $R^3$  is hydrogen and  $R^4$  is  $NR^9R^{10}$  selected from the group consisting of:



wherein  $R^7$  is independently selected from the group consisting of  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_3$ - $C_8$  cycloalkyl,  $C_1$ - $C_6$  alkylcycloalkyl,  $C_1$ - $C_6$  alkylheterocyclic, heterocyclic, aryl,  $C_1$ - $C_6$  alkylaryl,  $O$ - $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl, wherein each cycloalkyl, heterocyclic or aryl group is optionally substituted with a group selected from hydroxy,  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  alkylalcohol,  $C_1$ - $C_3$  alkylNH<sub>2</sub>,  ~~$C(O)$ - $C_4$ - $C_2$  alkyl, and  $C(O)$ - $C_3$ - $C_6$  cycloalkyl~~,  $C_1$ - $C_3$  haloalkyl,  $C_1$ - $C_6$  alkoxy,  ~~$C_4$ - $C_3$  alkylCONR<sup>7</sup>R<sup>8</sup>,  $C_4$ - $C_3$  alkylcyano,  $C_4$ - $C_3$  alkylCO<sub>2</sub>R<sup>11</sup>,  $C_4$ - $C_3$  alkylNR<sup>7</sup>R<sup>8</sup>- $C_1$ - $C_3$ alkylamine,~~ and  $C_1$ - $C_3$  alkylcycloalkyl.

11. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein  $R^4$  is  $NR^9R^{10}$  and  $R^9$  is  $COOR^7$ .

12. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein  $R^4$  is  $NR^9R^{10}$  and  $R^9$  is  $CONR^7R^8$ .

13. (Currently Amended) A compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, wherein  $R^4$  is  $NR^9R^{10}$  and  $R^9$  is  $S(O)_2NR^7R^8$ .

14. (Original) A compound selected from the group consisting of:  
5-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2,3,4,5-tetrahydro-thieno[3,4-b]azepine-1-carboxylic acid isopropyl ester,  
8-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-3-methyl-5,6,7,8-tetrahydro-thieno[3,2-b]azepine-4-carboxylic acid isopropyl ester,  
8-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2-bromo-5,6,7,8-tetrahydro-thieno[3,2-b]azepine-4-carboxylic acid isopropyl ester,  
5-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-5,6,7,8-tetrahydro-pyrido[2,3-b]azepine-9-carboxylic acid isopropyl ester,  
5-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2,3,4,5-tetrahydro-pyrido[3,4-b]azepine-1-carboxylic acid isopropyl ester,  
5-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2,3,4,5-tetrahydro-pyrido[4,3-b]azepine-1-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-6,7,8,9-tetrahydro-pyrido[3,2-b]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepine-5-carboxylic acid isopropyl ester,  
5-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-2,3,4,5-tetrahydro-thieno[3,4-b]azepine-1-carboxylic acid isopropyl ester,

8-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-3-methyl-5,6,7,8-tetrahydro-thieno[3,2-*b*]azepine-4-carboxylic acid isopropyl ester,  
4-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)-amino]-1-methyl-4,5,6,7-tetrahydro-1*H*-1,2,8-triaza-azulene-8-carboxylic acid isopropyl ester,  
9-[acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-chloro-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-methoxy-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-bromo-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-dimethylamino-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-methyl-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-2-cyano-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-3-chloro-2-methoxy-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethylbenzyl)amino]-3-chloro-2-ethoxy-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[Acetyl-(3,5-bis-trifluoromethyl-benzyl)amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid *tert*-butyl ester,  
9-[(3,5-Bis-trifluoromethyl-benzyl)-2-methyl-2*H*-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid isopropyl ester,  
9-[(3,5-Bis-trifluoromethyl-benzyl)-2-methyl-2*H*-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-*b*]azepine-5-carboxylic acid *tert*-butyl ester,  
(3,5-Bis-trifluoromethyl-benzyl)-(5-cyclopentylmethyl-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5*H*-pyrido[3,2-*b*]azepin-9-yl)-(2-methyl-2*H*-tetrazol-5-yl)-amine,  
(3,5-Bis-trifluoromethyl-benzyl)-(5-cyclopropylmethyl-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5*H*-pyrido[3,2-*b*]azepin-9-yl)-(2-methyl-2*H*-tetrazol-5-yl)-amine,



(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-5-pyridin-3-ylmethyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-(2-methyl-2H-tetrazol-5-yl)-amine,  
(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-5-pyridin-4-ylmethyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-(2-methyl-2H-tetrazol-5-yl)-amine,  
3-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-ylmethyl}-benzoic acid,  
4-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-ylmethyl}-benzoic acid,  
5-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-yl}-3,3-dimethyl-pentanoic acid,  
(4-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-ylmethyl}-cyclohexyl)-acetic acid,  
(3,5-Bis-trifluoromethyl-benzyl)-(5-ethyl-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-(2-methyl-2H-tetrazol-5-yl)-amine,  
5-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-ylmethyl}-thiophene-2-carboxylic acid,  
2-{9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepin-5-yl}-ethanol,  
(5-Benzyl-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-(3,5-bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amine,  
(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-(2-methyl-5-thiazol-2-ylmethyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-amine,  
9-[(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-2H-tetrazol-5-yl)-amino]-2-methyl-3-trifluoromethyl-6,7,8,9-tetrahydro-pyrido[3,2-b]azepine-5-carboxylic acid tetrahydro-furan-3-yl ester,  
(3,5-Bis-trifluoromethyl-benzyl)-(2-methyl-5-pyridin-4-ylmethyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-carbamic acid methyl ester,  
N-(3,5-Bis-trifluoromethyl-benzyl)-N-(2-methyl-5-pyridin-4-ylmethyl-3-trifluoromethyl-6,7,8,9-tetrahydro-5H-pyrido[3,2-b]azepin-9-yl)-acetamide  
or a pharmaceutically acceptable salt, solvate, enantiomer or diastereomer or mixture thereof.

15. (Currently Amended) A method of regulating CETP activity comprising administering a compound of formula I according to claim 1, or a pharmaceutically acceptable salt, ~~solvate~~, enantiomer, racemate, diastereomer or mixture of diastereomers thereof to a patient in need thereof.

16. (Currently Amended) A method of treating ~~or preventing~~ dyslipidemia comprising administering a compound of formula I, according to claim 1, or a pharmaceutically acceptable salt, ~~solvate~~, enantiomer, racemate diastereomer, mixture of diastereomers thereof, to a patient in need thereof.

17. (Currently Amended) A method of treating ~~or preventing~~ atherosclerosis comprising administering a compound of formula I according to claim 1, or a pharmaceutically acceptable salt, ~~solvate~~, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof to a patient.

18. (Currently Amended) A method according to Claim ~~14~~ 15, wherein the regulation of CETP activity results in a decrease in LDL-cholesterol.

19. (Currently Amended) A method of lowering plasma LDL-cholesterol in a mammal comprising administering a therapeutically effective dose of a compound of formula I, according to claim 1, or a pharmaceutically acceptable salt, ~~solvate~~, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof to a patient in need thereof.

20. (Currently Amended) A method of treating ~~and/or preventing~~ the pathological sequelae due to high levels of plasma LDL-cholesterol in a mammal comprising administering an effective dose of a compound of formula I, pharmaceutically acceptable salt, ~~solvate~~, enantiomer, racemate, diastereomer, or mixture of diastereomers to a patient in need thereof.

21. (Currently Amended) A pharmaceutical composition comprising a compound according to Claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof, and a carrier, diluent and/or excipient.

22. (Canceled)

23. (New) A method according to Claim 15, wherein the regulation of CETP activity results in an increase in plasma HDL-cholesterol levels.

24. (New) A method of treating cardiovascular diseases comprising administering a compound of formula I according to claim 1, or a pharmaceutically acceptable salt, enantiomer, racemate, diastereomer, or mixture of diastereomers thereof to a patient.